

Renting a Property

Maths Level 11

Name: _____

Date: _____

Life Skills Workbook

Key Words & Phrases

rent	property	deposit	Direct Debit
council tax	estimates	mortgage	revised figure
per month	payment/s	difference	income
perimeter	calculate	consequences	the sum of
invoice	tenancy agreement		

Renting a House

1. Tom has decided to rent a property with his wife in Northampton after moving with his job from Leicester.



He must pay a deposit of £500 by October 31st to secure a two-bedroom house. Today's date is August 31st, and Tom is worried about the number of weeks left to pay the deposit. Tom estimates the number of weeks left. Is it:

- a) Six weeks b) Seven weeks c) Eight weeks?

Answer Box

2. Tom signs a six-month tenancy agreement.

He must pay rent of £600 per month.

How much rent will he have paid in total after six months?

Answer Box

3. Tom sets up a Direct Debit to pay council tax. He is shocked that it costs £95.50 per month.

He works out how much it is a year. He pays it over a period of ten months a year.

What figure should Tom get on his calculator for the yearly council tax?



Answer Box

4. Tom's wife Sarah checks if it is possible to reduce the yearly payments by making a one-off payment. She can do this.

Sarah uses £250 from her work bonus to reduce the yearly council tax bill.

What is the revised figure Tom and Sarah must to pay a year?

Answer Box

5. Explain what the word '**consequences**' means by completing the sentence below:

A consequence of not paying council tax could be

Buying a Property

6. Towards the end of six months, Tom and Sarah think about buying a property.

They have viewed a property where the mortgage payments would be £570 per month. Their current rent is £600.



What would be the difference in costs after one year of paying a mortgage compared to renting?

Answer Box

The difference would be: £

7. Tom and Sarah decide to buy a property in Leicester for £125,000.

They need a 15% deposit. How much do they need to pay as a deposit?

Answer Box

8. Their first mortgage deal is with Santander for 3 years.

The payments are £605.25 per month.

If their joint monthly salary is £2420, estimate what percentage of their monthly income goes towards the mortgage payments.

Write your answer here as a percentage

9. Calculate the sum of three years' mortgage payments.

Show all of your working out here:

10. Upon moving into the property, Tom checks the electricity meter. It is based on a single meter reading.

His first check shows the reading is 072319. Tom checks the meter again about a month later. It is now 073429. How much has the meter reading increased by?



Answer Box

11. Sarah notices Kitchens Designs Ltd have a sale on their kitchen packages. A new kitchen includes complete kitchen cabinets, doors, worktops and appliances. She sees that a kitchen originally costing £2325.75 has a 5% discount.

a) How much does the kitchen cost with the 5% discount applied?

Answer Box

b) Sarah thinks the kitchen is still too expensive. She checks the price again a few weeks later and notices that there has been a further reduction. The kitchen is now on sale for £2080. How much is the total reduction from the original price?

Answer Box



Using an electrician

12. Tom and Sarah pay an electrician for work at their house.

The electrician invoices them. An extract of his invoice is seen below:



Item	Rate	Total
6 hours of labour	£25 per hour	
Materials	See attached receipt	£57.50
	TOTAL COST	

Complete the totals on the invoice.

Working out box

13. a) The electrician's work of 6 hours is what percentage of a day?

Answer Box

b) What is this written as a decimal?

Answer Box

c) What is this written as a fraction?

Answer Box

14. Late payment of an invoice means the electrician will charge an additional £25.50.

How much would the invoice cost in total with the late payment?

Answer Box

15. After five years living in the property, Tom and Sarah decide they want to move to a larger house.

An estate agent values their property at £192,000. They sell it for £191,000.

Calculate how much money they have made on their property.

(You will find all the information you need in this workbook)

Answer Box

Carrying out a Survey

16. A survey is carried out on the street Tom and Sarah live about the age of the residents. The results are in the table below.

Age	Frequency
Under 25	30
25-45	12
45 plus	18



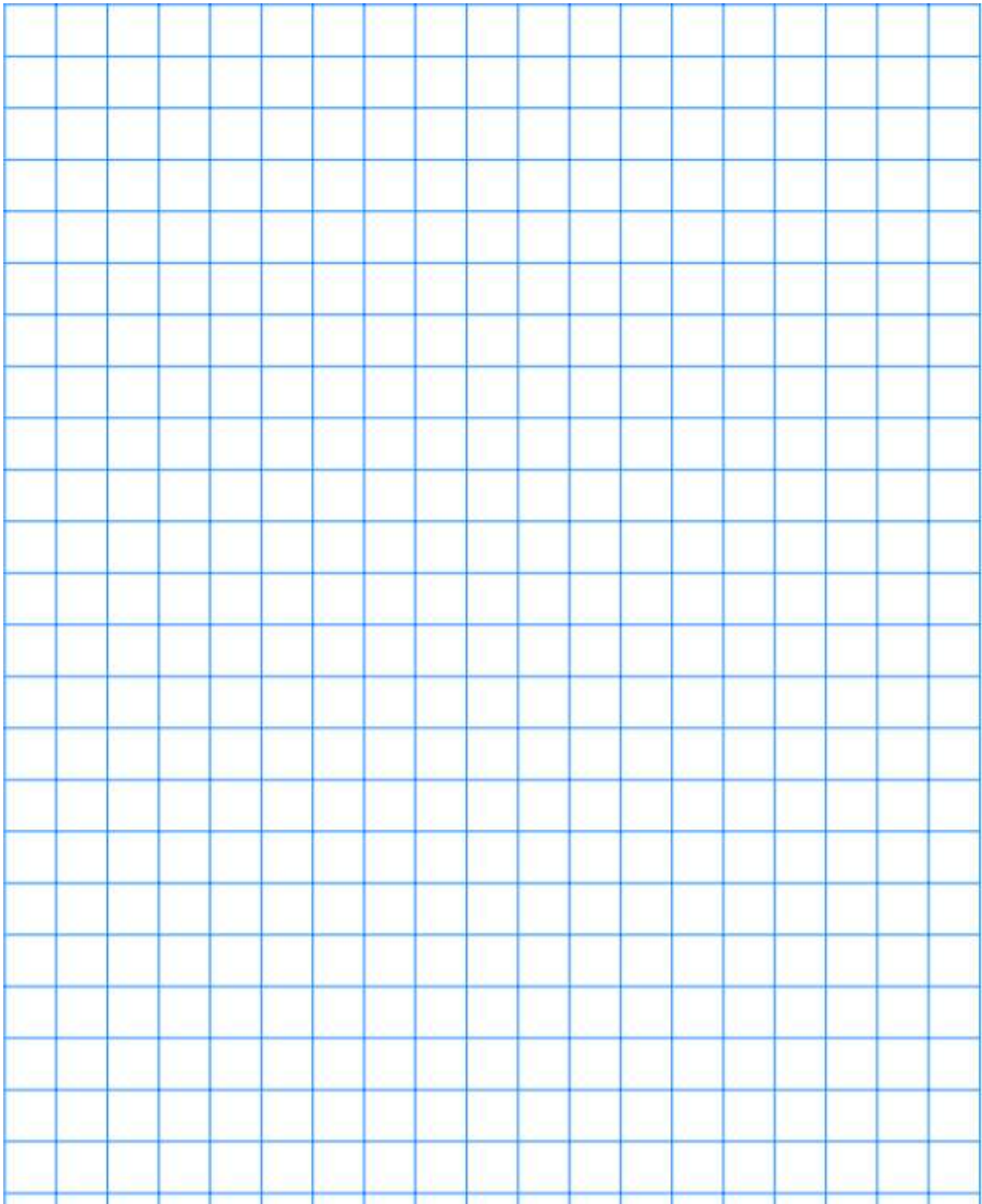
a) What is the probability of a resident being aged 25-45? Express this as a fraction.

Answer Box

b) What is the ratio of residents 45 plus compared to under 25s?

Answer Box

17. Draw a bar chart to show the ages of the street residents.



Savings

18. Tom wants to build up his savings and goes to the local bank. He finds an ISA that pays 5% interest if you invest £5000 for 3 years. The interest is calculated on a yearly basis using the original amount invested. Calculate how much Tom will have in total after 3 years.

Show all of your working out here:

Owning a Property

Area of a garden:

19. Tom is pleased with the size of their garden. It has a length of 920cm and a width of 510cm.



What is the area of the garden?

Answer Box

20. What is the perimeter of the garden?

Answer Box

Referencing to Level One Reform Criteria

Criteria met: 4, 11, 14, 15, 17, 18, 19, 22, 27, 31

Criteria Number	Description	Questions using criteria
4	Use multiplication facts and make connections with division facts	2, 3, 6
11	Add, subtract, multiply and divide decimals up to two decimal places	9, 11a, 12, 14, 15
14	Calculate percentage of quantities	7, 8
19	Calculate discounts in multiples of 5% on amounts of money	11b
15	Estimate answers to calculations using fractions and decimals	13
17	Work with simple ratio and direct proportion	16
18	Calculate simple interest in multiples of 5% on amounts of money	18
22	Calculate the area and perimeter of simple shapes including those that are made up of a combination of rectangles	20
27	Represent discrete data in tables, diagrams and charts including pie charts, bar charts and line graphs	17
31	Use equally likely outcomes to find the probabilities of simple events	16